

IN THE CLAIMS:

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1 1. (Original) An endocrine cell microdisk comprising a discoid microporous encapsu-  
2 lated endocrine cell for transplantation into an animal body to correct a hormonal defi-  
3 ciency.

1 2. (Original) An endocrine cell microdisk according to Claim 1 in which the endocrine  
2 cell is an insulin producing cell.

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1 3. (Currently Amended) An endocrine cell microdisk according to claim 1 in which said  
2 [disk] microdisk has a ratio of diameter to thickness of at least four.

1 4. (Currently Amended) An endocrine cell microdisk according to claims 1 in which said  
2 [disk] microdisk has a ratio of diameter to thickness of in the range of from six to twenty.

1 5. (Currently Amended) An endocrine cell microdisk according to claim 1 in which said  
2 [disk] microdisk has at least one concave face.

1 6. (Currently Amended) An endocrine cell microdisk according to claim 1 in which said  
2 [disk] microdisk has two opposed concave faces.

1 7. (Original) An endocrine cell microdisk according to claim 6 in which the concavities  
2 are maintained by internal joining structure.

B 1 8. (Currently Amended) An endocrine cell microdisk according to claim 7 in which said  
2 joining structure extends between opposing faces of said [disk] microdisk.

1 9. (Withdrawn) A flattened macrochamber with one or more surface concavities in  
2 which the endocrine cells are contained in a microporous membrane.

A3 1 10. (Withdrawn) A flattened macrochamber as in claim 8 in which said concavities are  
2 maintained by internal joining structures.

1 11. (Original) An endocrine cell microdisk comprising a microporous membrane having  
2 first and second opposed faces joined together at the periphery thereof and forming an  
3 extended flattened structure of lateral extent substantially greater than the maximum  
4 thickness between the surfaces and containing endocrine cellular material for implanta-  
5 tion as a unit into an animal body.

1 12. (Original) An endocrine cell microdisk according to claim 11 in which said lateral  
2 extent is at least four times said thickness.

1 13. (Original) An endocrine cell microdisk according to claim 11 in which said micro-  
2 disk is formed generally in the shape of an erythrocyte.

1 14. (Currently Amended) An endocrine cell microdisk according to claim 11 which in-  
2 cludes means for maintaining at least one concavity in a lateral surface of said [disk] mi-  
3 crodisk.

1 15. (Currently Amended) An endocrine cell microdisk according to claim 11 which in-  
2 cludes at least one [tab] internal joining structure extending between said opposed faces  
3 and maintaining a concavity in at least on of said faces.

1 16. (Currently Amended) An endocrine cell microdisk according to claim 15 which in-  
2 cludes a plurality of [tabs] internal joining structures extending between said opposed  
3 faces and maintaining a plurality of concavities in at least one of said faces.

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